

## ABSTRACT OF THE INVENTION

A signaling medium is disclosed. The signaling medium includes several optical media and electrical conductors arranged such that one or more of the electrical conductors are disposed between the optical media. The medium may be shielded, and may included multiple groupings of electrical conductors and optical media. A connector; a signaling assembly, including a signaling medium and connector; a circuit board; and a signal communication system (including multiple circuit boards and one or more signaling media) are also disclosed.

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